

Date: Fri, 8 Apr 94 04:30:19 PDT  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V94 #98  
To: Ham-Equip

Ham-Equip Digest                      Fri, 8 Apr 94                      Volume 94 : Issue    98

Today's Topics:

                    >>> Ham Rig Crystals Wanted <<<  
                    Anybody know about "split" mod for an HR 2510?  
                    Can you receive 500-512 MHz on your ICOM W2A?  
How phasing SSB Exciters Work (Was: RF and AF speech processors)  
                    IC-206A info Help  
                    I passed my tests-now what? (2 msgs)  
                    Marine Ham set recommendations  
                    Snap-on Ferrite cores  
                    Standard Radio HELP!!!  
                    Wanted Kenwood TM-742 Mods

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----

Date: Tue, 5 Apr 1994 20:07:12 GMT  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!convex!darwin.sura.net!ra!  
gregor@network.ucsd.edu  
Subject: >>> Ham Rig Crystals Wanted <<<  
To: ham-equip@ucsd.edu

Me too !

I need crystals for a GE slimline style handie-talkie. I need 151.625 and  
151.925 Mhz. These are land mobile freqs. The radio had a small style Bomar  
crystal with 154.600 stamped in the side. The crystal had gold wires for leads  
and plugged directly into the PC board.

Where do people get crystals nowadays? I went to the ARRL hamfest in Maryland this past weekend and couldn't find \*anyone\* who had crystals for sale. Boy, have things changed. What do people do with all the surplus xtal controlled HT's I saw for sale at the hamfest?

Enough raving. Any help would be appreciated.

- Joe  
WA3WRN

---

Joseph Gregor  
gregor@ccf.nrl.navy.mil  
tmh@eng.umd.edu

THIS SPACE INTENTIONALLY LEFT BLANK.

---

-----  
Date: 8 Apr 94 00:56:52 GMT  
From: pa.dec.com!dayton.wright.edu!ad426@decwrl.dec.com  
Subject: Anybody know about "split" mod for an HR 2510?  
To: ham-equip@ucsd.edu

I am looking for a mod to make my President HR 2510 transceiver get the 100 khz split between the transmit and receive that is needed for 10 meter FM repeater use. Appreciate any help.

-----

Date: 7 Apr 1994 07:22:38 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!  
newsrelay.iastate.edu!news.iastate.edu!jdwhite@network.ucsd.edu  
Subject: Can you receive 500-512 MHz on your ICOM W2A?  
To: ham-equip@ucsd.edu

In article <1994Apr6.194058.28700@vfl.paramax.com>,  
Pete Rossi <rossi@VFL.Paramax.COM> wrote:

>Asking this for a friend...

>

>The local police/fire are starting to move into the 500 MHz band. My  
>friend is considering buying an Icom W2A. He is trying to determine  
>if the W2A can receive anything at 500-512 MHz?

>

>The Icom W2A (after doing the extended receive mod) will allow you to  
>enter just about any frequency on the keypad but will only actually  
>receive in certain frequency ranges.

>

>On UHF the normal "extended receive" coverage is around 400-500 MHz but

>some have been known to go slightly above 500 MHz. I have an IC-24AT and  
>on a good day it might make it to about 501 or so...

>

>Is the W2A the same? How far above 500 MHz will they actually receive?

I have a friend who had a service monitor and have been wanting to hook up my W2A to it and see how it performs from 100MHz-1GHz, but havn't had the time. When I do, I'll be sure to post.

The intended receive and transmit specs will vary from radio-to-radio. I would expect that most modified W2As could receive 410-480, but it'll be pretty deaf in the 480 range and above. At 460MHz my rig measured 2.0uv for 12db SINAD. In reality, I have no problems receiving those transmissions, but that spec is rather poor. I wouldn't expect most W2As to receive over 500MHz, nor would I buy one if one of my primary uses for the rig was to receive over 500MHz.

-Jason

--

Jason D. White  
jdwhite@iastate.edu  
Iowa State University  
Ames, Iowa

Durham Center Operations Staff  
Repeater Chairman, Cyclone Amateur Radio Club  
Packet: n0rww @ ki0q.#cia.ia.usa.na

-----  
Date: 7 Apr 94 17:07:05 GMT  
From: hp-cv!hp-pcd!hpcvsnz!tomb@hplabs.hp.com  
Subject: How phasing SSB Exciters Work (Was: RF and AF speech processors)  
To: ham-equip@ucsd.edu

Wayne Covington (wayne@fc.hp.com) wrote:

: Another interesting case is to start with a conventional elliptic function  
: bandpass response, then proceed to the two networks with flat group delay  
: and 90 degree phase difference, keeping the nice elliptic magnitude response.  
: The finite jw-axis zeros may well wreak havoc -- with the number of poles  
: and zeros (for the same overall tolerances on amplitude and phase errors as  
: you have above) increasing significantly.

If you look at this a little differently, it's easy to see that the number of poles & zeros shouldn't be significantly affected. Come up with a pair of filters for quadrature phase that you are happy with for amplitude and phase matching. Add the same zeros and/or poles to both. Then the amplitude and phase matching will be unchanged. However, it should be easier to put the frequency shaping outside the quadrature phase network, since it can then be guaranteed to be identical for both channels. Leave the quadrature network all-pass; if you wish, shape its

absolute phase to compensate the frequency-shaping filter. At least, that is how I'd approach it if I were constrained to do it analog.

-----  
Date: 7 Apr 94 00:40:24 GMT  
From: dog.ee.lbl.gov!newshub.nosc.mil!news!news@ucbvax.berkeley.edu  
Subject: IC-206A info Help  
To: ham-equip@ucsd.edu

Jeff, If you haven't rec'd the information you're looking for, I think this was reviewed in QST. I have a compilation of reviews and could send you a photocopy for SASE or tell you the main points by email if it helps.

Roger Keating - KD6EFQ  
keating@nosc.mil

-----  
Date: 7 Apr 94 00:48:04 GMT  
From: dog.ee.lbl.gov!newshub.nosc.mil!news!news@ucbvax.berkeley.edu  
Subject: I passed my tests-now what?  
To: ham-equip@ucsd.edu

My suggestion: buy a quality mid-level used HF rig and find out what interest you on the bands and what the features are that you like to use.

Look for ads in Ham Trader Yellow Sheets, or rec.radio.swap etc.

Then sell the radio after you buy the rig you actually want and have experience to judge from.

Have fun. Perhaps the used rig will be just what you need.

Roger Keating - KD6EFQ  
keating@nosc.mil

-----  
Date: 7 Apr 1994 12:50:06 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!jobone!news1.oakland.edu!vela.acs.oakland.edu!prvalko@network.ucsd.edu  
Subject: I passed my tests-now what?  
To: ham-equip@ucsd.edu

Roger is right.

There are a LOT of HAMS with more money than brains. You find their rigs for sale in the yellow sheets all the time.

You can get a hell of a lot of rig for half the price of those two. I personally believe that with the SDx and FT-1000, you are paying a premium to own the "top of the line" radio from the manufacturer.

I would be very surprised if those rigs give \$2,000 MORE satisfaction.

73 es good luck =paul= wb8zjl

-----  
Date: 4 Apr 1994 18:43:48 GMT  
From: cronkite.cisco.com!usenet@ames.arpa  
Subject: Marine Ham set recommendations  
To: ham-equip@ucsd.edu

Some rigs (like the IC-735) have conversions that will open them up for transmit almost all the way across their receive range. Its not Type Accepted, of course...

-----  
Date: 7 Apr 94 17:29:20 GMT  
From: sdd.hp.com!vixen.cso.uiuc.edu!uxa.cso.uiuc.edu!rtclay@hplabs.hp.com  
Subject: Snap-on Ferrite cores  
To: ham-equip@ucsd.edu

In article <henrysCnw6t6.FJA@netcom.com> henrys@netcom.com (Henry B. Smith) writes:

>  
>These little snap-on ferrite cores can cure many a mobile rfi problem.

>

.

.

>

>Radio shack sells them and MFJ also sells a package of 4.

>

>Smitty, NA5K

>

Here's one cheap source for split cores...use the split cores from the focussing coils on junked CRT's. Of course you have to spend a while getting all of the wire wound on them off. I don't know what kind of ferrite material is usually used, but it seems to work fine for most rfi problems.

One advantage is that these cores are bigger than some of the ones sold for rfi purposes, so you can use them on larger cables.

--

R. Torsten Clay, N40GW/9    n4ogw@uiuc.edu

-----

Date: Thu, 7 Apr 1994 00:59:25 GMT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!newsxfer.itd.umich.edu!  
nntp.cs.ubc.ca!cs.ubc.ca!nebulus!stan@network.ucsd.edu  
Subject: Standard Radio HELP!!!  
To: ham-equip@ucsd.edu

I have a Standard GX3000U(AA) that i would love to use on the amateur band  
Has anyone done this? If so, HOW. I had some problems down loading to the  
EPROM using the Standard EPROM Burner. Ant thoughts on this would be more than  
welcomed.

AtDhVaAnNkCsE

73 ..... Stan.....VE7HHK

-----

Date: 7 Apr 94 16:00:04 GMT  
From: agate!howland.reston.ans.net!europa.eng.gtefsd.com!news.ans.net!  
hp81.prod.aol.net!search01.news.aol.com!not-for-mail@ucbvax.berkeley.edu  
Subject: Wanted Kenwood TM-742 Mods  
To: ham-equip@ucsd.edu

I am looking for any mods that may be available for the TM-742 xcvr. I have  
seen mods for the TM-741, but don't know if they apply. Any help would be  
appriciated.

Thanks  
Al K1LTJ

-----

End of Ham-Equip Digest V94 #98  
\*\*\*\*\*  
\*\*\*\*\*